بسم الله الرحمن الرحيم

جامعة اليرموك

كلية التربية

قسم الإدارة وأصول التربية



رسالة دكتوراه بعنوان

فاعلية برنامج دبلوم تكنولوجيا المعلومات والاتصالات في تطوير الكفايات المهنية لدى معلمي المدارس في محافظة عجلون

Effectiveness of the Diploma Program of Information and Communication Technology in the Development of Professional Competence Among School Teachers in Ajloun Governorate

إعداد الطالب

ربيع فخري فلاح المومني

إشراف:

الدكتورة منيرة محمود الشرمان... مشرفا رئيسا

الدكتور محمد أحمد المومني... مشرفا مشاركا

حقل التخصص – الإدارة التربوية

2013م

فاعلية برنامج دبلوم تكنولوجيا المعلومات والاتصالات في تطوير الكفايات المهنية لدى معلمي المدارس في محافظة عجلون

إعداد

ربيع فخري فلاح المومني

بكالوريوس معلم صف / جامعة آل البيت / 2005
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وافق عليها

منيره محمود الشرمان .... مشرفا/رئيسا

أستاذ مشارك في الإدارة التربوية ، جامعة اليرموك

محمد "احمد مجلي" المومني .... مشرفا/مشاركا

أستاذ مشارك في التربية الابتدائية ، جامعة اليرموك

عدنان بدري الابراهيم.............................. عضوا

أستاذ في الإدارة التربوية، جامعة اليرموك

صالح ناصر عليمات.............................. عضوا

أستاذ في الإدارة التربوية، جامعة اليرموك

تيسير"محمد نهار" خزاعله.............................. عضوا

أستاذ مشارك في تقنيات التعليم، جامعة اليرموك

ايمن احمد العمري.............................. عضوا

أستاذ مشارك في الإدارة التربوية، الجامعة الهاشمية

تاريخ المناقشة 2013/8/4



إلى من علماني الصَّفح والتَّسامح والعفو والفضل والإيثار, وأودعاني الأمل والطَّمأنينة بدعواتهما وصلواتهما التي لازمتني منذ طفولتي, إلى من تعجز الكلمات عن وصفهم وتقديرهم **أبي وأمّي**. . . . . أطال الله في عمرهما وأدام عليهما الصَّحة والعافية.

إلى **زوجتي** الغالية ورفيقة دربي "**تمارا**" التي شاركتني السراء والضراء وحملت همّي وبدّدت آلامي ومخاوفي, إلى القلب الصادق الذي وقف بجانبي دائما ولم يتوانى عنّي في أي وقت, إلى التي دفعتني بحبِها وحنانِها وعطفِها للمضي نحو الأمام.

إلى **إخواني وأخواتي وعائلاتهم** الذين أُكنُّ لهم في قلبي كل الحبِّ والاحترام والتقدير وتزهو الحياة بهم.

إلى مَن أحبهم حبّاً جمّا, ولاتحلو الحياة إلاّ بوجودهم ولا تكتمل معاني الفرحة إلاّ بِهم. . . . .**أصدقائي وأقاربي وجيراني**.

الباحث

ربيع فخري المومني

الشكر والتقدير

الحمد لله رب العالمين الذي علمنا ما لم نعلم, وشرح صدورنَا , ونوّر قلوبَنا بالعلمِ والإيمانِ, الحمد لله الذي لا يحيط خلقه بشيء من علمه إلا بما شاء , أحمَدُه حمداً كثيراً حتى أبلغَ رضاه على عطائه وكرمه الذي وفقني لإنهاء هذا العمل, والصلاة والسلام على خاتم الأنبياء والمرسلين سيدنا محمد صلى الله عليه وآله وسلم .

فقد روى أبو داوود عن أبي هريرة عن _ النبي صلى الله عليه وسلم _ أنه قال: "لا يشكر الله من لا يشكر الناس" , واعترافا مني بالفضل والجميل, أتقدم بخالص الشكر والتقدير, وجُلِّ الاحترامِ والعرفان والامتنان من أساتذتي الكرام في جامعة اليرموك على عطائهم وجهدهم في تقديم العلمِ والمعرفة .

وأتقدم بخالص شكري وتقديري لكل من أستاذيَّ: الدّكتورة منيرة الشرمان, والدّكتور محمد المومني اللذان تكرّما بقبولي تلميذا لهما , ولم يبخلا علي بوقتهما الثمين وأفكارهما النيرة ومعلوماتهما القيِّمة واللذان أسرّاني بسعَة أُفقهما , ورحابة صدرهما , وطيب تعاملهما . حيث قدما لي النصح والإرشاد والمشورة طول فترة إعداد الرسالة, جزآهم الله عني خير الجزاء .

كما يطيب لي بهذه المناسبة أن أقدّمِ شكري وتقديري وعظيم عرفاني وامتناني إلى لجنة مناقشة الرسالة؛ ممثلة بالأستاذ الدكتور صالح عليمات , والأستاذ الدكتور عدنان البدري , والدكتور تيسير خزاعلة , والدكتور أيمن العمري على تحمُّلهم عناءَ قراءتها , وجزآهم الله كل خير, ونفع الله بعلمهم كل من طلب العلم والمعرفة .

الباحث

ربيع فخري المومني

قائمة المحتويات

[illegible]

[illegible]

فهرس الجداول

قائمة الملاحق

(Tam, 2000)

(Varasides and McIsaac, 2001)

.(2005

[illegible] (2006) [illegible]

[illegible] (2006) [illegible]

[illegible]

[illegible]

1.

2.

3. $(\alpha = 0.05)$

.4 ($\alpha = 0.05$)

.5 ($\alpha \leq 0.05$)

[illegible]

[illegible]

1. [illegible] (322) [illegible] (2013/2012).

2. [illegible]

[illegible]

.(2006

[illegible]

[illegible] (2005) [illegible]

[illegible]

[illegible] (2005) [illegible]

[illegible]

[illegible] (2009) [illegible]

[illegible]

[illegible]

[illegible] ,(Victor, 2001) [illegible]

[illegible]

- [illegible]

- [illegible]

- [illegible]

- [illegible]

- [illegible]

[illegible] Pich) [illegible] (& Kim, 2004; Karsenti & Larose 2001 [illegible]

[illegible]

[illegible] (2004) [illegible]

[illegible] (2006 [illegible]

[illegible] (2003) [illegible]

[illegible] Information and Communication [illegible]

[illegible] (Technology

.(UNESCO,2003)

.(2009

(ICTE)

(Inholland) (Delft) (2006/2005)

(347)

.(2007,

(ICTE)

(2007/2006)

(2008/2007)

(823) (2009/2008)

.(2009

[illegible]

[illegible]:

- [illegible] (Learning by doing).
- [illegible] (Cooperative learning).
- [illegible] (Active learning).
- [illegible] (Constructive learning).
- [illegible] (Problem-based learning).

[illegible]

[illegible]

[illegible]:

- [illegible] (portfolio).
- [illegible] (Online Exam).
- [illegible]:

1. [illegible].
2. [illegible].

3. [illegible]

4. [illegible] (2006 ,[illegible]).

[illegible]

1. [illegible]
2. [illegible]
3. [illegible]
4. [illegible]
5. [illegible]
6. [illegible]

7. [illegible]

8. [illegible]

9. [illegible]

10. [illegible]

11. [illegible]

12. [illegible]

13. [illegible] (2006 ,[illegible]).

[illegible]

.(2006

.(2003

[illegible] (2003 ,[illegible])

[illegible] (2003 ,[illegible])

[illegible] (2005 [illegible])

(2009)

(Kuzma,2004)

(Wilson,2003)

(2002)

(2001)

(2003)

(2003)

1.

2.

3.

4.

(2003)

:(2010)

1.

2.

3.

.4

.5

(Short,1984)

.1

.2

.3

4. [illegible]

[illegible] (Clark, 2000) [illegible]:

1. [illegible]

2. [illegible]

3. [illegible]

4. [illegible]

[illegible]

[illegible] .(2008

[illegible]:

:[illegible] (2004)[illegible]

1. [illegible].

2. [illegible]: [illegible] [illegible], [illegible].

3. [illegible]: [illegible]. [illegible] [illegible].

4. [illegible].

5. [illegible], [illegible] [illegible].

6. [illegible].

7. [illegible], [illegible] [illegible], [illegible].

Yalin & [illegible]

[illegible] (Karadeniz & Sahin, 2007

1. [illegible]

2. [illegible]

3. [illegible]

4. [illegible]

5. [illegible]

.(Frans & Melanie,2005)

الدِّراسات المتعلقةِ بتكنولوجيا المعلوماتِ والاتصالاتِ:

(Bevacqua,2001)

(Savor, 2002) (41) (%45) (%90)

[illegible] (Anison, 2002) [illegible] (22) [illegible] (133) [illegible]

[illegible] (Akahori, 2002) [illegible] (315) [illegible]

(Srichai, 2002)

(114)

(Alfatookh & Alsultan, 2003)

(210)

(%70)

(%40)

(Feldner, 2003)

(%89)

[illegible]

- [illegible] (2001) [illegible] (155) [illegible].
- [illegible] (2004) [illegible] (81) [illegible].

[illegible]

[illegible] (Hoskins, 2005) [illegible] (43) [illegible].

(2006)

(43)

(300)

(Gulbahar, 2006)

[illegible]

[illegible] (25) [illegible] (558) [illegible]

[illegible]

[illegible].

[illegible] (Anderson, 2006) [illegible]

[illegible]

[illegible]

[illegible]

[illegible] (21) [illegible]

[illegible]

[illegible]

[illegible]

[illegible].

[illegible] (2007) [illegible]

[illegible]

[illegible] (624) [illegible]

[illegible] (58) [illegible]

[illegible] (464) [illegible] (102) [illegible]

[illegible] (2007/2006) [illegible]

[illegible] (2007) [illegible] (120) [illegible] (50) [illegible]

(Buke & Horton, 2009)

(2010)

(179)

(Dastan,Cicek,&Naralan2011)

(228)

(2012)

(1760) (293)

[illegible] (173) [illegible]

[illegible] (387) [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] (Hill & Wicklen, 2000) [illegible]

[illegible]

[illegible]

[illegible] (41)

[illegible]

[illegible] (145) [illegible]

[illegible]

[illegible]

[illegible]

(2001)

(56)

(873)

(Ibraheem, 2001)

(95)

(213)

(Chan,2001)

(50)

[illegible] (184) [illegible]

(74) [illegible] (110) [illegible]

[illegible]

[illegible] ($\alpha = 0,05$) [illegible]

[illegible]

[illegible] (Kliber, 2002) [illegible]

[illegible] (116) [illegible]

[illegible] (186) [illegible]

[illegible]

[illegible] (Zahner, 2002) [illegible]

[illegible] (46) [illegible]

[illegible]

(Nergency, 2003)

(260)

(4) (163)

(Chen, 2003)

(100)

(Cheng & Others, 2003)

(2004)

(120)

(2004)

(105)

(Voneschenbach & Pavalak, 2004)

(152)

(30)

(Coffman, 2004)

(2005)

(2006)

(64)

(30) (286)

(2008)

(66)

(351) (205)

(2010) ,(2011) ,(2011)

,(Harris,2011) ,(2007) ,(2008

(Andersoon,2006)

(2010)

(Dastan, Cicek & Naralan,2011)

Atjonen,) (2005

(2011)

(2011)

(2010)

(2008)

(2002)

(Coffman, 2004)

- [illegible] (987 - 20) [illegible]
[illegible] (272) [illegible].

- [illegible]
(2011)[illegible] ,(2011)[illegible] ,(2011) [illegible] ,(2012) [illegible]
[illegible] .(Kliber, 2002)[illegible] ,(2010) [illegible]
[illegible].

- [illegible]

- [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] (322) [illegible]

.(2013/2012)

[illegible]:

[illegible] (272) [illegible] (121) [illegible] (151) [illegible] (1) [illegible]

(1) [illegible]

[illegible]

[illegible]	[illegible]	[illegible]	
44.5	121	[illegible]	[illegible]
55.5	151	[illegible]	
%100	272	[illegible]	
15.8	43	[illegible] 5 [illegible]	[illegible]
36.4	99	[illegible] 10-5	
47.8	130	[illegible] 10 [illegible]	
%100	272	[illegible]	
60.7	165	[illegible]	[illegible]
39.3	107	[illegible]	
%100	272	[illegible]	

[illegible] (121) [illegible] (1) [illegible]

[illegible] ,(%55.5) [illegible] (151) [illegible] ,(%44.5)

(43) [illegible] (5) [illegible]

(10 - 5) [illegible] ,(%15.8) [illegible]

[illegible] ,(%36.4) [illegible] (99) [illegible]

[illegible] ,(%47.8) [illegible] (130) [illegible] (10

[illegible] (165) [illegible]

(107) [illegible] ,(%60.7) [illegible]

.(%39.3) [illegible]

[illegible]:

[illegible].

[illegible]

[illegible] ,(Harris, 2011) [illegible] , (2011)[illegible] ,(2011) [illegible]

[illegible] ,(Buk & Horton, 2009) [illegible]

[illegible]

[illegible] (38) [illegible] (3) [illegible]

[illegible] (13) [illegible]

[illegible] (19) [illegible]

[illegible] (16) [illegible].

[illegible]

[illegible] (40) [illegible]

[illegible]

[illegible]

[illegible]

[illegible] (0.83-0.39) [illegible] (0.88-0.46) [illegible] (2) [illegible].

(**2**)[illegible]

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0.64	**0.57**	**33**	**0.54**	**0.58**	**17**	**.59**	**0.56**	**1**
0.78	**0.70**	**34**	**0.52**	**0.70**	**18**	**.71**	**0.74**	**2**
0.78	**0.80**	**35**	**0.64**	**0.75**	**19**	**.66**	**0.75**	**3**
0.70	**0.74**	**36**	**0.72**	**0.74**	**20**	**.78**	**0.84**	**4**
0.62	**0.70**	**37**	**0.57**	**0.70**	**21**	**.79**	**0.86**	**5**

ûĎǰƑyĎǐ ǗƑĜŧþǗɛ ƔɛqǗɛ ǕĎǐ	ûĎǰƑyĎǐ ǗƑĜŧþǗɛ ǘƑШĎǐǁɛ ǕĎǐ	Ɣþsƻǁɛ !5þ	ûĎǰƑyĎǐ ǗƑĜŧþǗɛ ƔɛqǗɛ ǕĎǐ	ûĎǰƑyĎǐ ǗƑĜŧþǗɛ ǘƑШĎǐǁɛ ǕĎǐ	Ɣþsƻǁɛ !5þ	ûĎǰƑyĎǐ ǗƑĜŧþǗɛ ƔɛqǗɛ ǕĎǐ	ûĎǰƑyĎǐ ǗƑĜŧþǗɛ ǘƑШĎǐǁɛ ǕĎǐ	Ɣþsƻǁɛ !5þ
0.61	**0.73**	**38**	**0.58**	**0.71**	**22**	**0.76**	**0.81**	**6**
0.53	**0.68**	**39**	**0.57**	**0.64**	**23**	**0.80**	**0.88**	**7**
0.59	**0.71**	**40**	**0.48**	**0.57**	**24**	**0.74**	**0.85**	**8**
0.71	**0.73**	**41**	**0.39**	**0.55**	**25**	**0.68**	**0.83**	**9**
0.77	**0.78**	**42**	**0.52**	**0.70**	**26**	**0.57**	**0.72**	**10**
0.83	**0.83**	**43**	**0.66**	**0.72**	**27**	**0.72**	**0.80**	**11**
0.65	**0.75**	**44**	**0.72**	**0.73**	**28**	**0.63**	**0.53**	**12**
0.60	**0.74**	**45**	**0.70**	**0.72**	**29**	**0.63**	**0.51**	**13**
0.57	**0.72**	**46**	**0.64**	**0.67**	**30**	**0.63**	**0.59**	**14**
			0.66	**0.58**	**31**	**0.42**	**0.46**	**15**
			0.76	**0.67**	**32**	**0.57**	**0.64**	**16**

Ďǐkŏ Ďǐ! ǁ!Ʀ!Ă ŧ!Ăƅlǆǐ ƘĜŋƧþ ƘƒƦ ƘǀĜŧ ƱĜƙkƧǗƒ Ƙǘǆǐǁǆǐ ɣŏǆǐŋ ǇĎ ǀƧĜƬǗƒ Ƨþŋkă

.ƘƒƧlǃ!ƒ ǉƦǈ ǇǆǏ ǐĎ ƻƦơ

:ƅǐŧƳƑǁƑĜ ƼŧyŧĎǰǁɛ ƅƦШǁɛ ǀƑĜǩ

test-) ƧĜƙkƤǗƒ ǀþĜƷǫĂ ƧĜƙkƤǗƒ ŧlŏƧƱƅ ƨlơk!ƒ Ďǐk þl5 Ǘŧʅ ƒƧþ!ƒ ǀƒþĎ ƘĜƅ ǇǆǏ þŧǆkǁ!

ŧʅƒƧþ!ƒ ŧǉŏƷ ШƧĜƤ ǇǆǏ ŧƷĂǆŋǆǏ Ǐǁƶ ǇŏƷĂƅʅĎ þƶƅ ǋlŏƅƱk ǀþĜƷǫĂ ǗƧĜƙkƤǗƒ ƨŏƅƱkƅ (retest

Ŏ5 ǊǌkƒƧŏþlk Ǉŏƅ ǇĂʅƧŏƅ ƱĜƙkƧƒ ɣǆǐĜƶǆǐ ƔĜʅơ Ďǐk ĎǐʎǇǆǐĂ Ǘŧǆǐǁƶǆǐ Ă Ĝǆǐǁƶǆǐ (40) ǇǆǏ ŧǉĂŧǆǐ

.(0.91-0.87) Ǉŏƅ ѲĂƒƧk ŧŏơ Ǘɣŧŧ ŧʅƒƧþ!ƒ ǀƒþĎ Ǐǁƶ ǇŏkƧǆǐ!ƒ

[illegible] (3) [illegible] (0.96-0.92) [illegible]

[illegible].

(3) [illegible]

[illegible]

[illegible]	[illegible]	[illegible]
0.93	0.89	[illegible]
0.92	0.87	[illegible]
0.93	0.90	[illegible]
0.96	0.91	[illegible]

[illegible]:

(46) [illegible]

[illegible] ,(3) [illegible]

[illegible]

(3) [illegible] ,[illegible] (4) [illegible] ,[illegible] (5) [illegible] :[illegible] (Likert) [illegible]

[illegible] (1) [illegible] ,[illegible] (2) [illegible] ,[illegible]

(46) [illegible]

(46) [illegible] ,[illegible] (230) [illegible] ,[illegible]

(3.66-2.34) ,(2.33-1.00)

.(5.00-3.67)

Voneschenbach &) ,(2011) ,(2012)

,(Ibraheem, 2001) ,(Pavalak, 2004

(3)

(14) (40)

(14) (12)

(2)

(16)

ƥƥùƵĂ ƚöƖöƲƘƘ!ƒ ƇƇƖƖƖ!ƒ ƚƶďƇƞĂ ,ƘöƖ!ƒ ýƇ ƚƶďƇƞĂ ,ƚ ĂďƧö!ƒ ƚƶďƇƞ Ŏ5 ƊöƖƶƘ!ƒ ƘƇöǈƖƘĂ ,ƊöĂƖƘ!ƒĂ

ýĂùơ ĭƊƧ!ƒ ƇƒƥƖǫ ƊƞǉǈďƗ Ɣ ƱƱ ƚöơ ,ƚ!Ʀ ǇöƖö (2) ƨơƖď!ƒĂ ,ƊöƖƶƘ!ƒĂ ƚöƖƧƘ!ƒ ƖƧƒƨĂ Ŏ5ƧƬď ǇďƗ

ƇùƞǈƑďƘǈƒ ăƥùďĂ ,Ɗùƞǌ5!ƒ ƚ!ĂƞƪĂ ĬǈƶďƗ!ƒ ƚöơ ǇďƗ ƇƞǈơĂưĂĂ ƘƒƧƖ5!! ƚöĂƺ!ƒ ƚƹƇöƬ!ƒ ƚďǚƪ

ƝƘƖƪùǈ Ƈùď ƚơƇƖ!ƒ ƥďƘƵƒĂ ,ƚƖƪƇǈď ƇƞǈǈĂƧö ƘǚöƥƶƘĂ ƘƇƱơǚď ĭƊĂ ,Ɲö5 ƘƞƧƥƊ ĭƦ!ƒ ýƇƞďƖ!

Ɗùƙ ƥùƖ5 ǇöùďƚơďƗ!ƒ ƇƒƧǗ ƇƖ5ĂĂ ,ƇƞǉưƼƧ ĂƊ ,ƖƧƖ5!ƒ ýĂƖ!! ǇöďƚơďƗ!ƒ ƔƇďƞǫ ǇďƗ ƧƛƚƊ5 (%80)

ýƒƥƖƘƪƒĂ ƚơưƒĂ Ƨöƹ ƇƞǉǉǗ ƚöĂƺ!ƒ ƘƇơƖƲƬďƗ!ƒ Ʊƶƶ ƠöƖƬƘ ƊƘĂ ƚ!ƇƛƗ!ƒ ýƇƞďƖ! ǇöƘƧƖ5 ƚ5ƇưƍƬ

ƚƛǚƛ ĬƖƵ ƚƵƨĂď ƖƧƖ5 (42) ǇďƗ ƚǉƇƖƘƪǗƒ ƘǉĂƚƘ ƘǚöƥƶƘ!ƒ ƚƖƘ Ĭ!ǫ ƒƥƇǉƘƪƒĂ , ƘƒƥƧ5ďƗ!ƒ Ʊƶƶ

Ʀö5ǉƘ!ƒ ƘƇöƇ5ƚ ýƇƞďĂ ,ƖƧƖ5 (14) ǇďƗ ƘǉĂƚƘĂ ƲöƲƤƘ!ƒ ƘƇöƇ5ƚ ýƇƞď :ŎƘǗƒ ĂơǉƖƒ ĬƖƵ ƘǗƇƞď

.ƖƧƖ5 (17) ǇďƗ ƘǉĂƚƘĂ ƊöĂƖƘ!ƒ ƘƇöƇ5ƚ ýƇƞďĂ ,ƖƧƖ5 (11) ǇďƗ ƘǉĂƚƘ

ƅƒƶƇƖƐ ƸơƇƬ: الكِفايَات

ƴď ƩƇöƖď!ƒ ƘƒƧƖ5 ƲƇƖƘƧƒ ƘǚďƇƶď ƘƞƧƤƘƪƒ ÜƩƇöƖď! ƇƇǉƖ!ƒ ƨƥƬ ƘǗǗƥ ƜƒƧƤƘƪǗ

ÜƚùďƖƶďĂ Ƈùďƶď (40) Ǉùď ƘǉĂƚƘ ƚƪƒƧƥ!ƒ ƚǉöƵ ƜƧƇƤ ǇďƗ ƚöƵǚƲƘƪƒ ƚǉöƵ Ŏ5 ƚöƖƚ!ƒ ƚƞƧƥ!ƒ

ýùďƇƶď ǇǫƖƚùöơ ÜƘƒƧù5!ƒ ǇďƗ ƖƧƖ5 ýƚ ƨööďƘ ýďƇƶď ƔƇƪơĂ ƩƇöƖď!ƒ ƘƒƧƖ5 ýöƖơƘ ƊƘ ƚöơ

ǇöùƖĂ ,ƖƧù5 ýƚ ǇöƖ ƲƇƖƘƧƒ ýďƇƶď ƖƧĂƬ Ŏ5 ƖƧƖ5 ýƚ! ƚƖƪǉ!ƇƖ ƨƥƬƖ! ƚ!Ǘƥ ýƛďö ƇǉƝǈ ƨööďƘ!ƒ

ýƇùƞď ýƚ ǇöƖĂ ÜƝö!ǫ ŎďƘǉƘ ŎƘ!ƒ ýƇƞď!ƇƖ ƇƞǈƲƇƖƘƧƒ ǇöƖĂ ƖƧƖ5 ýƚ ǇöƖĂ Üƚǉƞ ǇďƗ ƚöƖƚ!ƒ ƚƞƧƥ!ƒ

ǇöùƖ Ƈùď ýƚƚ ƖƒƥǗƒ ƴď ƘƒƧƖ5!ƒ ƲƇƖƘƧƒ ƘǚďƇƶď ƘơĂƒƧƘ ƥƥĂ ÜăƧƤƊ ƚƞǉƞ ǇďƗ ƚöƖƚ!ƒ ƚƞƧƥ!ƒĂ

.ƚ!Ʀ ǇöƖö (4) ýĂƥƞ!ƒĂ (0.88-0.58) ýƇƞď!ƒ ƴďĂ Ü(0.80-0.57)

(4)üŇǰƜ

.(ƕŏǻŇĎžƐ ƫƑǐƑƩƗǂ) ǇǰƜǖ ŎĎžǂǻǂ ŎǂƐ üƑƜĎžƐŇǰ ƕŏǂƗƐ ƕƜþǰƐŇǰ ƫƐþsƩƐ ĎǐƓ ƯƑƓǂþŮƐ ƫǘĎžƑyĎž

üĎžƑyĎž ƯƑƓǂþŮƐ ƔƐǰŮƐ ƯĎž	üĎžƑyĎž ƯƑƓǂþŮƐ üƑƜĎžƐ ƯĎž	ƔþsƩƐ !ƽþ	üĎžƑyĎž ƯƑƓǂþŮƐ ƔƐǰŮƐ ƯĎž	üĎžƑyĎž ƯƑƓǂþŮƐ üƑƜĎžƐ ƯĎž	ƔþsƩƐ !ƽþ	üĎžƑyĎž ƯƑƓǂþŮƐ ƔƐǰŮƐ ƯĎž	üĎžƑyĎž ƯƑƓǂþŮƐ üƑƜĎžƐ ƯĎž	ƔþsƩƐ !ƽþ
0.77	**0.74**	**29**	**0.69**	**0.72**	**15**	**0.58**	**0.62**	**1**
0.79	**0.77**	**30**	**0.70**	**0.73**	**16**	**0.58**	**0.71**	**2**
0.74	**0.78**	**31**	**0.62**	**0.78**	**17**	**0.65**	**0.76**	**3**
0.72	**0.79**	**32**	**0.57**	**0.76**	**18**	**0.77**	**0.84**	**4**
0.79	**0.85**	**33**	**0.64**	**0.82**	**19**	**0.69**	**0.72**	**5**
0.68	**0.78**	**34**	**0.71**	**0.79**	**20**	**0.72**	**0.74**	**6**
0.68	**0.78**	**35**	**0.80**	**0.88**	**21**	**0.79**	**0.86**	**7**
0.80	**0.86**	**36**	**0.74**	**0.74**	**22**	**0.78**	**0.82**	**8**
0.70	**0.82**	**37**	**0.77**	**0.71**	**23**	**0.72**	**0.79**	**9**
0.75	**0.82**	**38**	**0.57**	**0.58**	**24**	**0.72**	**0.79**	**10**
0.78	**0.85**	**39**	**0.63**	**0.64**	**25**	**0.66**	**0.76**	**11**
0.62	**0.77**	**40**	**0.64**	**0.62**	**26**	**0.62**	**0.74**	**12**
0.65	**0.78**	**41**	**0.69**	**0.69**	**27**	**0.73**	**0.78**	**13**
0.68	**0.77**	**42**	**0.71**	**0.65**	**28**	**0.75**	**0.76**	**14**

(5) üŇǰƜ

ƕŏǻŇĎžƐ ƫƑǐƑƩƗǂ ƕŏǂƗƐ ƕƜþǰƐŇǰ ƑŇƮyǴǴ ƫŮƑƜĎžƐ ĎǐƓ ƯƑƓǂþŮƐ ƫǘĎžƑyĎž

	كفايات التخطيط	كفايات التنفيذ	كفايات التقويم	الكفايات المهنية ككل
كفايات التخطيط	1			
كفايات التنفيذ	.776(**)	1		
كفايات التقويم	.719(**)	.796(**)	1	
الكفايات المهنية ككل	.914(**)	.918(**)	.919(**)	1

* [illegible] .(**α =0.05**)

* [illegible] .(α =0.05)

[illegible]

test-) [illegible] (retest [illegible] (40) [illegible] .(0.91-0.89)

[illegible] (6) [illegible] (0.97-0.92) [illegible]

[illegible] (**6**)

[illegible]

[illegible]	[illegible]	[illegible]
0.94	**0.91**	[illegible]
0.92	**0.90**	[illegible]
0.95	**0.89**	[illegible]
0.97	**0.90**	[illegible]

(42)

(3)

(Likert)

(2) (3) (4) (5)

(1)

(42)

(42) (210)

2.33-1.00)

(5.00-3.67),(3.66-2.34)

-1

-2

(3)

3- [illegible]

[illegible] (2013/2012).

4- [illegible]

[illegible]

[illegible]

[illegible] (4) [illegible].

5- [illegible].

6- [illegible]

[illegible]

[illegible].

7- [illegible]

[illegible] (spss) [illegible]

[illegible].

[illegible]:

[illegible]:

[illegible]:

[illegible]:

_ [illegible]

[illegible]

_ [illegible]

[illegible]

- [illegible] (Scheffe).

- [illegible] (t-test for Independent samples).

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] Statistical packages of Social [illegible]

[illegible] ,Science (spss)

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

(7) [illegible]

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	0.63	3.67	[illegible]	2	1
[illegible]	0.66	3.63	[illegible]	1	2
[illegible]	0.67	3.62	[illegible]	3	3
[illegible]	0.59	3.64	[illegible]		

[illegible] (7) [illegible] (3.64) [illegible] (0.59) [illegible] (3.67) [illegible] (0.63) [illegible] (3.63) [illegible] (0.66) [illegible] (3.62) [illegible] (0.67) [illegible]

1. [illegible]

(8) [illegible]

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	**0.79**	**3.81**	[illegible]	**1**	**1**
[illegible]	**0.82**	**3.70**	[illegible]	**4**	**2**
[illegible]	**0.83**	**3.66**	[illegible]	**5**	**3**
[illegible]	**0.80**	**3.65**	[illegible]	**2**	**4**
[illegible]	**0.77**	**3.65**	[illegible]	**3**	**5**
[illegible]	**0.88**	**3.64**	[illegible]	**6**	**6**
[illegible]	**1.00**	**3.61**	[illegible]	**10**	**7**
[illegible]	**1.00**	**3.57**	[illegible]	**11**	**8**
[illegible]	**0.95**	**3.55**	[illegible]	**7**	**9**
[illegible]	**0.99**	**3.54**	[illegible]	**9**	**10**
[illegible]	**0.99**	**3.51**	[illegible]	**8**	**11**
[illegible]	**0.66**	**3.63**	[illegible]		

[illegible] (8) [illegible] (3.81 - 3.51) [illegible] (0.66) [illegible]

Ĭ!ĂŨƒ ŀbkƧdž!ƒ Ŏ5 "ŀdžǴƶ!ƒ ŀŏĂhƧk!ƒ ƻƒþNjŨƒ ƝdžǴǉƧh!ƒ þþơŏ" Ĭ!!Ƶ ƒ ǉk Ŏk!ƒĂ (1) DžpƧ lƧl5!ƒ (4) lƧl5!ƒ ƘCǴηĂ ÜyškƧdž ăĂkʅdžhĂ (0.79) ĭƧǴŏƶdž ƻƒƧơǉƒĂ (3.81) ƹ!!h ŎhǴʅơ Ʊʅ ĂkdžhĂ ŎhǴʅơ Ʊʅ ĂkdžhĂ ŀŏǉǴλ!ƒ ŀhkƧdž!ƒ Ŏ5 "ƧƧldž!ƒ ƝdžǴǉƧh!ƒ ăĂkơdž ƻƒþNjŨƒ ýdžTk" Ĭ!!Ƶ ƒ ǉk Ŏk!ƒĂ Ĭ!!Ƶ ƒ ǉk Ŏk!ƒĂ (9) lƧl5!ƒ ƘCǴηĂ .yškƧdž ăĂkʅdžhĂ (0.82) ĭƧǴŏƶdž ƻƒƧơǉƒĂ (3.70) ŎhǴʅơ Ʊʅ ĂkdžhĂ lƧŏPŨƒ ýhp ŀhkƧdž!ƒ Ŏ5 "þơƒĂ Ŏdžŏ!!ƶk ƝkǴǉ ƻþNj ýǂ Ŏ5 ƝdžǴǉƧh!ƒ ƴưŏ" ǴnjƮǉĂ (8) DžpƧ lƧl5!ƒ ƘCǴη ǴdžǉŏƄ .Ʊʅ Ăkdž ăĂkʅdžhĂ (0.99) ĭƧǴŏƶdž ƻƒƧơǉƒĂ (3.54) ƻƒƧơǉƒĂ (3.51) ƹ!!h ŎhǴʅơ Ʊʅ ĂkdžhĂ lƧŏPŨƒ ŀhkƧdž!Ǵh "ƽŏlơk!ƒ ŀǉǂdždž Ǵ5ƒþNjD ƝdžǴǉƧh!ƒ ƴưŏ" .(3.63) ýǂǂ ƻƒþNjŨƒ ŀŏ!!ƵǴ5! ŎhǴʅơ!ƒ Ʊʅ Ăkdž!ƒ ƹ!!hĂ ,Ʊʅ Ăkdž ăĂkʅdžhĂ (0.99) ĭƧǴŏƶdž

2. ÜƒШDž ƕƒYǂĭh ƐDžǁƟŀNjNjn:

(9) ШǅNjü

ƐDžǁŀNjNjn ƐƒƎƣƸƕƒ ƐƎƒǀƵƐƕǁ ƐƹƣƏƕƒǁ ƐƒǁƟƒǁ ƐƐƑƒƫƕƒƐƐ .ƒƏƸƣƒƐ

ƕǴŀþ!!	!5þ!!	lƐþƽƻ!!	ƐƟƒǇNjU Ĭ!!	ƹƐþƟǀƐƐ ăþǇYƒ	ƐƐƟǁNjn
1	7	ǅNjn lǘlʅDžǁ üƟ lƐþƑƸDž ƕĭDžǂŀ ĂǂY ǅYƒƨĭ .DžĭDžǂyŀDžǁ	3.79	0.97	UƻŀþDž
2	14	.DžĭDžǂyŀDžǁ lƑШƟ DžǁDž 5kǴǁĭ	3.79	0.89	UƻŀþDž
3	16	ĬŀƐPǁ þĭNjUǂǁ ĂǂY Uшʅĭ	3.75	0.83	UƻŀþDž
4	4	.DžĭDžǂyŀDžǁ ǅNjn ƕYNjǂŀDžǁ þĭlƻǂǁ lƐþƑƸDž ĬDžǁĭ	3.74	0.89	UƻŀþDž
5	5	ǅNjn ĬYƐǅǴŪƐ þĭlƻǂǁ lƐþƑƸDž ƕĭDžǂŀ ĂǂY üDžyĭ .DžĭDžǂyŀDžǁ	3.73	0.95	UƻŀþDž
5	19	ƕĭþƑƸDžǁ ƒǁƐNjШǁ ƕĭDžǂŀ ĂǂY Ʀlþĭ	3.73	0.96	UƻŀþDž
7	15	.ĬǴШĭŪƐ þĭƹǂǁ ĂǂY Uшʅĭ	3.70	0.87	UƻŀþDž
8	6	.DžĭDžǂyŀDžǁ ǅNjn ĬǁǉPǁ ƹTyǁ lƐþƑƸDž ĬDžǁĭ	3.69	0.92	UƻŀþDž

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	**0.92**	**3.69**	[illegible]	**18**	**8**
[illegible]	**0.98**	**3.67**	[illegible]	**1**	**10**
[illegible]	**0.86**	**3.66**	[illegible]	**17**	**11**
[illegible]	**0.99**	**3.65**	[illegible]	**13**	**12**
[illegible]	**1.07**	**3.64**	[illegible]	**10**	**13**
[illegible]	**1.03**	**3.62**	[illegible]	**9**	**14**
[illegible]	**1.01**	**3.62**	[illegible]	**11**	**14**
[illegible]	**0.94**	**3.60**	[illegible]	**2**	**16**
[illegible]	**0.88**	**3.58**	[illegible]	**3**	**17**
[illegible]	**0.95**	**3.58**	[illegible]	**8**	**17**
[illegible]	**1.00**	**3.58**	[illegible]	**12**	**17**
[illegible]	**0.63**	**3.67**	[illegible]		

[illegible] (9) [illegible]

[illegible] (0.63) [illegible] (3.79 -3.58) [illegible] (14 [illegible] 7) [illegible] (3.79) [illegible] (16) [illegible] (3.75) [illegible] (0.83) [illegible] (12 [illegible] 8 [illegible] 3) [illegible]

Ǒƕǵʅơ!ƒ ƱʅĂƙƌ!ƒ Ƹƕ ƥƿĂ .(3.58) Ƹƕ Ǒƕǵʅơ ƱʅĂƙƌĂ ƖƧŏƤŪƒ ǂƕƙƧƌ!ǵƕ "ĭ Ƨǵnjƌ!ƒ ǑƖǒƕƱƙ!ƒ

.(3.67) ýǂǂ ăĂƙơƌ!ƒ ǂǒƵǵƽ!

:ƒĭƥƣǂƐǋ ƧĭƥƣǂƐ ƼƥƯ ƕĭǂƳƒʒ üƒƜƊ.3

(10) üǋƣƜ

ƒĭƥƣǂƐǋ ƧĭƥƣǂƐ ƼƥƯ ƕĭǂƳƒʒ üƒƜƊ ƖƐƥƨƻ ƕĭƥƒĭƴƊƐ ƖƒʒƐƥƟƌƯƐǋ ƕĭǵƒƨƟƐ ƖƒƯƨǋǂƊƐ

.ƒĭƐƦƒƌǂ ƕǵǂƥƊ

ǌǋǂƨƊƐ	ƸƐƥƟƌƯƐ ăƥƒĭƴƊƐ	ƯƨǋǂƊƐ Ĭǵƒƨ Ɵ Ɛ	ƖƐƥƨƻƐ	!ƽƥƐ	ƕǵǂƥƐ
ƱƻǂƥƊ	**0.96**	**3.94**	ƕĭǋǵƥǂ ƒĭƐƒƨƈ ƕƨƥƒƊƊ ĂǂƳ ƉĭƊǂƴǂƊƐ ƛƊƒƌƥǵƐ ƒƥƣĭ .ƕƙĭƣƟ	**1**	**1**
ƱƻǂƥƊ	**0.97**	**3.67**	.ƴƥǵƢƐƒǵ !ǂƴǂƐ ĂǂƳ ƣƊǂƴĭ	**2**	**2**
ƯƨǋǂƊ	**0.97**	**3.66**	.ƕĭƌǋƒƴǂƐ ƕƨĭƥƯƐƒǵ ƛƊƒƌƥǵƐ Ĭʒ ƒĭƥƣǂƐ !ǂĭ	**4**	**3**
ƯƨǋǂƊ	**0.96**	**3.66**	.ƕƨĭʅ ƒĭƐƒƨƊǵ ƧǋƥƣƐ ƒ ƥƴĭ	**15**	**3**
ƯƨǋǂƊ	**0.95**	**3.64**	.ĬƴƽƐǋƐ !ǂƴǂƐ ĂǂƳ ƛƊƒƌƥǵƐ ƣƊǂƴĭ	**3**	**5**
ƯƨǋǂƊ	**0.97**	**3.64**	.ƧĭƥƣǂƐ Ĭʒ ĬƊǂƴƐ ƘƟǵƐ ƒǋǂƨƈ !ƣƢǂƨĭ	**16**	**5**
ƯƨǋǂƊ	**0.94**	**3.63**	.!ĭǂƴǂƐ ǈƜǋƊƐǋ ƣʅƥƊƐ ƥǋƣǵ !ǋƽĭ	**14**	**7**
ƯƨǋǂƊ	**0.95**	**3.61**	Ĭʒ ƕƐƒƴʒ ƕƖƥƒʅƊ ƼƽƟǂ ĬǂƐ ƧĭƥƣǂƐ ƼƥƯ !ƣƢǂƨĭ .!ĭǂƴǂƐ ƕĭǂƊƳ	**9**	**8**
ƯƨǋǂƊ	**0.94**	**3.60**	ƉĭƊǂƴǂƊƐ ǌƣƐ ƥĭƖƻǂƐ ƕĭƊƌǂ ƒĭƐƒƨƈ ƼʒǋƒĭƥƣǂƐ !ǂĭ ƖǘƖʅƊƐ üƟǋ ĬƌǉƤƐ ƸƬƴƐǋ ÛƖƨƐ ƖƒƴǵƐ üƙƊ .ƒǉƥĭƷǋ	**8**	**9**
ƯƨǋǂƊ	**0.92**	**3.59**	.!ǂƴǂƊƐ ǌƣƐ ƥĭƖƻǂƐ ĬƊƌǂ ĬǂƐ ƒĭƥƣǂƐ ƼƥƯ !ƣƢǂƨĭ	**6**	**10**
ƯƨǋǂƊ	**0.93**	**3.58**	ƕĭǋǵƥǂƐ ƸƐƣǉǚƐ ƒĭƥƣǂƐ ƼƥƯ ƕƊǝǘƊ ĬƳƐƥĭ .ƛƊƒƌƥǵǂƐ	**10**	**11**
ƯƨǋǂƊ	**0.92**	**3.57**	.ĬǂƐƤƐ !ǂƴǂƐ ƖƒǂƊƳ ƛƊƒƌƥǵƐ Ĭʒ ƒĭƥƣǂƐ ĬƳƐƥĭ	**5**	**12**
ƯƨǋǂƊ	**0.95**	**3.56**	.ƕĭǂƊƴƐ ƖƒƨƥƒƊƊƐ Ĭʒ ƒĭƥƣǂƐ ƥƙƈ üƒƽǂƌƒǵ !ǂǋĭ	**7**	**13**
ƯƨǋǂƊ	**1.05**	**3.54**	.ƉĭƽǋƻǂƊǂƐ ƕĭƟƥƙƌ ƕƯʅƌƈ !ƣƽĭ	**12**	**14**
ƯƨǋǂƊ	**1.04**	**3.54**	.ƕƳǋƌǂƊƐ ƦĭƦƴǂƐ ƖƒĭǂƊƴǵ !ǂǋĭ	**13**	**14**
ƯƨǋǂƊ	**1.03**	**3.49**	.ƧĭƥƣǂƐ ƋƒƌƙƈƋƒƻƴƮƐ ƕǵǂƯƐ ĂǂƳ ƦƖƥĭ	**11**	**16**
ƯƨǋǂƊ	**0.67**	**3.62**	ƒĭƥƣǂƐǋ ƧĭƥƣǂƐ ƼƥƯ ƕĭǂƳƒʒ		

ȿƧƱ ȾőǁƵƓ5 ýƓƞdž! ȾőƧƓőƶdž!ƒ ƘƓ5ƒƧơǉǕƒĂ ȾőƕƓƪơ!ƒ ƘƓƱƪĂƙdž!ƒ ǇƉ (10) ýĂƥƞ!ƒ Ǉőƕŏ

,ƴƽƙƧdž!ƒĂ ƱƪĂƙdž!ƒ ǇőŏĂƙƪdž!ƒ ǇőƕýƓƞdž!ƒ ƒƦǋ ƘƒƧǀ5 ƘƓƓƞ ƥƿ ,ƓƱƪĂƙdž ǇƓǂ ƔőƧƥƙ!ƒĂ ƩőƧƥƙ!ƒ

ƘƓƓƞ ǂőơ ÜƱƪĂƙdž ăĂƙƪdžƕĂ (0.67) ĭƧƓőƶdž ƨƒƧơǉƒĂ (3.94 -3.49) ǇőƕƓdž ƘơĂƒƧƙ ǂőơ

"ȾƛőƥơȾőĂƕƧƙ Ɣő!ƓƪƉ ǂƪƧƓdždž ǏǁƵ ǇődžǁƶƙdžƙǉƒǇdžƓǉƧƕ!ƒ ƔƧƥő" ǏǁƵ ƒ ǉƙ Ŏƙ!ƒĂ (1) ǅƿƧ ǀƧǀ5!ƒ

ÜƴƽƙƧdž ăĂƙƪdžƕĂ (0.96) ĭƧƓőƶdž ƨƒƧơǉƒĂ (3.94) ƸǁƕŎƕƓƪơ ƱƪĂƙdžƕĂ Ǐ!ĂǕƒ ȾƕƙƧdž!ƒ Ŏ5

ȾőǉƓƛ!ƒ ȾƕƙƧdž!ƒ Ŏ5 "ǀƧƕƤ!Ɠƕ ǅǁƶƙ!ƒ ǏǁƵ ƥdžƙƶő" ǏǁƵ ƒ ǉƙ Ŏƙ!ƒĂ (2) ǅƿƧ ǀƧǀ5!ƒ ƘƓƓƞ Ɠdžǉőƕ

(13) ǅƿƧ ǀƧǀ5!ƒ ƘƓƓƞĂ ,ƴƽƙƧdž ăĂƙƪdžƕĂ (0.97) ĭƧƓőƶdž ƨƒƧơǉƒĂ (3.67) ŎƕƓƪơ ƱƪĂƙdžƕĂ

ŎƕƓƪơ ƱƪĂƙdžƕĂ ǀƧőƤǕƒ ýƕƿ ȾƕƙƧdž!ƒ Ŏ5 "ȾƵĂǉƙdž!ƒ ƨőƨƶƙ!ƒ ƘƓőǁdžƶƕ ǅƙǌő" ǏǁƵ ƒ ǉƙ Ŏƙ!ƒĂ

ƨǂƧő" ƓǌƮǉĂ (11) ǅƿƧ ǀƧǀ5!ƒ Ɠdžǉőƕ .ƱƪĂƙdž ăĂƙƪdžƕĂ (1.04) ĭƧƓőƶdž ƨƒƧơǉƒĂ (3.54)

(3.49) ƸǁƕŎƕƓƪơ ƱƪĂƙdžƕĂ ǀƧőƤǕƒ ȾƕƙƧdž!Ɠƕ ƘƓƓƞ "ƩőƧƥƙ!ƒ ƓƓǉƛƉ ƓƓ5ƶư!ƒ ȾƕǁƱ!ƒ ǏǁƵ

ƩőƧƥƙ!ƒ ȿƧƱ ȾőǁƵƓ5! ŎƕƓƪơ!ƒ ƱƪĂƙdž!ƒ ƸǁƕĂ .(ƱƪĂƙdž ăĂƙƪdžƕĂ 1.03) ĭƧƓőƶdž ƨƒƧơǉƒĂ

.(3.62) ýǂǂ ƔőƧƥƙ!ƒĂ

[illegible]:

[illegible]

[illegible]

[illegible]

[illegible]

[illegible].

(11) [illegible]

[illegible]

[illegible].

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	**0.68**	**3.80**	[illegible]	**2**	**1**
[illegible]	**0.68**	**3.76**	[illegible]	**1**	**2**
[illegible]	**0.71**	**3.72**	[illegible]	**3**	**3**
[illegible]	**0.62**	**3.76**	[illegible]		

[illegible] (11) [illegible]

[illegible]

[illegible] (3.80-3.72) [illegible]

[illegible] (0.62) [illegible]

[illegible] (0.68) [illegible] (3.80)

[illegible] (0.68) [illegible] (3.76) [illegible]

[illegible] (3.72) [illegible]

.(3.76) [illegible] (0.71)

[illegible]

:[illegible]

.1 :[illegible]

(12) [illegible]

.[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	**0.89**	**3.94**	[illegible]	**1**	**1**
[illegible]	**0.88**	**3.82**	[illegible]	**3**	**2**
[illegible]	**0.97**	**3.81**	[illegible]	**8**	**3**
[illegible]	**0.87**	**3.78**	[illegible]	**2**	**4**
[illegible]	**0.93**	**3.78**	[illegible]	**7**	**4**
[illegible]	**0.86**	**3.75**	[illegible]	**4**	**6**
[illegible]	**0.91**	**3.75**	[illegible]	**5**	**6**
[illegible]	**0.92**	**3.75**	[illegible]	**11**	**6**
[illegible]	**0.97**	**3.75**	[illegible]	**14**	**6**
[illegible]	**0.95**	**3.72**	[illegible]	**12**	**10**

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	**1.01**	**3.72**	[illegible]	**15**	**10**
[illegible]	**0.93**	**3.71**	[illegible]	**9**	**12**
[illegible]	**0.97**	**3.71**	[illegible]	**13**	**12**
[illegible]	**0.93**	**3.69**	[illegible]	**10**	**14**
[illegible]	**0.88**	**3.66**	[illegible]	**6**	**15**
[illegible]	**0.68**	**3.76**	[illegible]		

[illegible] (12) [illegible] (0.68) [illegible] ,(3.94 -3.66) [illegible] (1) [illegible] ,(0.89) [illegible] ,(3.94) [illegible] (2) [illegible] ,(0.88) [illegible] ,(3.82) [illegible] (10) [illegible] ,(0.93) [illegible] ,(3.69) [illegible] (6) [illegible] ,(0.88) [illegible] ,(3.66) [illegible] .(3.76) [illegible]

3. [illegible]

(13) [illegible]

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	**0.83**	**3.92**	[illegible]	**9**	**1**
[illegible]	**0.95**	**3.91**	[illegible]	**1**	**2**
[illegible]	**0.85**	**3.87**	[illegible]	**10**	**3**
[illegible]	**0.93**	**3.83**	[illegible]	**5**	**4**
[illegible]	**0.88**	**3.82**	[illegible]	**7**	**5**
[illegible]	**0.92**	**3.81**	[illegible]	**6**	**6**
[illegible]	**0.87**	**3.79**	[illegible]	**11**	**7**
[illegible]	**0.95**	**3.76**	[illegible]	**2**	**8**
[illegible]	**0.98**	**3.76**	[illegible]	**3**	**8**
[illegible]	**0.91**	**3.75**	[illegible]	**12**	**10**
[illegible]	**0.89**	**3.71**	[illegible]	**4**	**11**
[illegible]	**1.01**	**3.69**	[illegible]	**8**	**12**
[illegible]	**0.68**	**3.80**	[illegible]		

[illegible] (13) [illegible] [illegible] (3.92 - 3.69) [illegible] (0.68) [illegible]

[illegible] (9) [illegible] (3.92), [illegible] (0.83), [illegible] (1) [illegible] (3.91), [illegible] (0.95), [illegible] (4) [illegible] (3.71), [illegible] (0.89), [illegible] (8) [illegible] (3.69), [illegible] (1.01), [illegible] (3.80).

3. [illegible]:

(14) [illegible]

[illegible].

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	**0.88**	**3.88**	[illegible]	**1**	**1**
[illegible]	**0.91**	**3.77**	[illegible]	**3**	**2**
[illegible]	**0.90**	**3.77**	[illegible]	**7**	**2**
[illegible]	**0.86**	**3.76**	[illegible]	**2**	**4**
[illegible]	**0.98**	**3.76**	[illegible]	**13**	**4**

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
			[illegible] (...		
[illegible]	0.93	3.75	[illegible]	4	6
[illegible]	0.93	3.74	[illegible]	6	7
[illegible]	0.99	3.74	[illegible]	11	7
[illegible]	0.89	3.72	[illegible]	5	9
[illegible]	1.00	3.72	[illegible]	10	9
[illegible]	0.99	3.67	[illegible]	9	11
[illegible]	1.00	3.66	[illegible]	8	12
[illegible]	1.00	3.66	[illegible]	12	12
[illegible]	1.00	3.64	[illegible]	15	14
[illegible]	0.97	3.59	[illegible]	14	15
[illegible]	0.71	3.72	[illegible]		

[illegible] (14) [illegible] (3.88 -3.59) [illegible] (0.71) [illegible] (1) [illegible] (3.88) [illegible] (0.88) [illegible] (3) [illegible] (3.77) [illegible] (0.91) [illegible] (15) [illegible]

,(1.00) ĭ ƧǴǒƶǆ ƻ ƒƧơǰƒĂ ,(3.64) Ƹǉƿ ǑƿǴƪơ ƱƪĂǩǆƿĂ ƖƧǒƤǕƒ ýǶƥ ƚƿǩƧǆ!ƒ Ǒƽ "ǑǩƒƦ!ƒ ǄǉƶǨ!ƒ

"ǄǒĂƖǨ!ƒ ƚǒǉǆƵ Ǒƽ ƚƿǉƱ!ƒ ǁ ƧƬǒ" ǴǌǰƬǰĂ (14) ǄƿƧ ƖƧƖƼ!ƒ ƘǴǴƞ Ǵǆǰǒƿ .ƱƪĂǩǆ ăĂǩƪǆƿĂ

.ƱƪĂǩǆ ăĂǩƪǆƿĂ ,(0.97) ĭ ƧǴǒƶǆ ƻ ƒƧơǰƒĂ ,(3.59) Ƹǉƿ ǑƿǴƪơ ƱƪĂǩǆƿĂ ƖƧǒƤǕƒ ƚƿǩƧǆ!Ǵƿ

.(3.72) ýǂǂ ǄǒĂƖǨ!ƒ ƘǴǒǴƽǂ! ǑƿǴƪơ!ƒ ƱƪĂǩǆ!ƒ Ƹǉƿ Ă

:ƘǬǭƑǨǁƐ üƐǅƾǁƑǴ ƿƨǂƴƚƿǁƐ ƛǬƑǂǆǕƐ

!ǌǂǴǪ ƛǄƑǆƥǴ ƿǐǂƳƑƷ Ĭƺ (**a = 0.05**) ƿǁǕǪǁƐ ǌǌƚƨǄ ǪǆƳ ƿǐǝƑƬƟǆ ƿǁǕǪ ƖƐƤ ƼǌƥƷ ƥƑǆǰ ülj

üƨƟǌ ÛƳƥǴǬǁƐǌ Û Ƨ ǆǛǁƐ :ƿƨƐƥǪǁƐ ƖƐƥĭƸƚǄǁ ǌƦƴƚ ƖǕƑƬƚǕƐǌ ƖƑǄǌǂƴǄǁƐ ƑĭǛǌǁǌǆǁƚ

Ý ƫ ƬǬƚǁƐ

ƚǒƧǴǒƶǆ!ƒ ƘǴƽƒƧơǰǕƒĂ ,ƚǒǉǴƪơ!ƒ ƘǴƱƪĂǩǆ!ƒ ǛƒƧƤǨƪƒ ǄǨ ýƒƋƪ!ƒ ƒƦǌ ǇƵ ƚƿǴƞǘ!

ýƖơĂ ǕƖƧƿƤ!ƒĂ ǕƩǰƞ!ƒ ƘƒƧǒƺǨǆ ƳƪơǰƘǕǴƬǨǕƒĂ ƘǴǆĂǉƶǆ!ƒ ǴǒƞĂ!Ăǰǂǩ ǄĂǉƿƥ ǋǆǴǰƧƿ ƚǒǉƵǴƽ!

.ǁ!Ʀ ƠƯĂǒ ǰǴǰƥǄ ýĂƥƞ!ƒĂ Ǖ ƒ ƬƤǨ!ƒ

(15) üǌǪǛ

ƖƑǄǌǂƴǄǁƐ ƑĭǛǌǁǌǆǁƚ !ǌǂǴǪ ƛǄƑǆƥǴ ƿǐǂƳƑƻǁ ƿǐƥƑĭƳǄǁƐ ƖƑƺƐƥƟǆǕƐǌ ƿĭǴƑƨƟǁƐ ƖƑƯƨǌǂƚǄǁƐ

. ƫ ƬǬƚǁƐ üƨƟǌ ,ƳƥǴǬǁƐǌ , Ƨ ǆǛǁƐ ƖƐƥĭƸƚǄ ƒ ƨƟ ƖǕƑƬƚǕƐǌ

üǁǁ ƿǐǂƳƑƻǁƐ	ƼƥƯ ƒĭƥǪƚǁƐǌ	ƿǐǂƳƑƺ Ƨ ĭƥǪƚǁƐ	ǌǌƚƟǄǁƐ ƿǐǂƳƑƺ	Ƹ ƐǪǰǕƐ ƿǐǂƳƑƺ			
3.69	**3.68**	**3.71**	**3.69**	Ƨ	ƥǁƤ	Ƨ ǆǛǁƐ
0.66	**0.75**	**0.70**	**0.75**	Ʊ		
3.60	**3.57**	**3.65**	**3.58**	Ƨ	Ăǩǆǵ	

[illegible]	[illegible]	[illegible]	[illegible]			
0.52	0.60	0.57	0.58	[illegible]		
3.51	3.47	3.54	3.53	[illegible]	5 [illegible]	[illegible]
0.57	0.69	0.55	0.67	[illegible]		
3.68	3.66	3.70	3.66	[illegible]	10-5 [illegible]	
0.57	0.68	0.63	0.63	[illegible]		
3.66	3.64	3.70	3.63	[illegible]	10 [illegible]	
0.60	0.66	0.66	0.69	[illegible]		
3.64	3.60	3.65	3.66	[illegible]	[illegible]	[illegible]
0.60	0.69	0.66	0.64	[illegible]		[illegible]
3.66	3.64	3.71	3.58	[illegible]	[illegible]	
0.56	0.65	0.59	0.69	[illegible]		

[illegible]

[illegible] (15) [illegible]

[illegible]

[illegible]

(16) [illegible]

(16) ǖǆǫǁǀ

ƕǎǂǤƑƺ ǀǗƑǁǍǍ ǍǂƳ ƫ ƬǪǂǁǀ ǖƽƟǆ ,ǤƥǖǪǁǀǆ ,ƨ ǜǁǁǀ ƥǨǓ ǫǫǤǂǍǁǀ ǏǨǗǨǁǀ ǍǎƑǖǂǁǀ ǖǎǂƟǂ
. ǀǗƑƬǂǗǀǆ ǀƑǍǆǂǤǍǁǀ ƑǏǁǆǁǆǜǀǂ !ǆǂǖǫ ƛǍǍƑǜƥǖ

ƕǁǗǫǁǀ ƕǔǝƑƬƟǕǀ	ƹ ƕǍǏǁ	ƯƨǆǂǍ ǀƑǤǖƥǍǁǀ	ǀƑǁƥǫ ƕǔƥƟǀ	ƱǆǍǁǍ ǀƑǤǖƥǍǁǀ	ǀǗƑǁǍǁǀ	ǍǎƑǖǂǁǀ ƥǫƬǍ
0.197	**1.671**	**0.733**	**1**	**0.733**	ƺ ƸǫǉǓǀ ƕǎǂǤƑƺ	ƨ ǜǁǁǀ
0.491	**0.475**	**0.191**	**1**	**0.191**	ǌǆǂƟǍǁǀ ƕǎǂǤƑƺ	**.010**=ƛǜǂǆǉ
0.188	**1.745**	**0.792**	**1**	**0.792**	ƨǏƥǫǂǁǀ ƼƥƯ ƕǎǂǤƑƺ ƒǏƥǫǂǁǆ	**.466**=Ǌ
0.655	**0.424**	**0.186**	**2**	**0.372**	ƺ ƸǫǉǓǀ ƕǎǂǤƑƺ	ǤƥǖǪǁǀ
0.280	**1.280**	**0.514**	**2**	**1.028**	ǌǆǂƟǍǁǀ ƕǎǂǤƑƺ	**.988**= ƨ ǀǂǎǆ
0.280	**1.278**	**0.580**	**2**	**1.160**	ƨǏƥǫǂǁǀ ƼƥƯ ƕǎǂǤƑƺ ƒǏƥǫǂǁǆ	**.794**=Ǌ
0.442	**0.592**	**0.260**	**1**	**0.260**	ƺ ƸǫǉǓǀ ƕǎǂǤƑƺ	ƫ ƬǪǂǁǀ ǖƽƟ
0.382	**0.768**	**0.308**	**1**	**0.308**	ǌǆǂƟǍǁǀ ƕǎǂǤƑƺ	**.016**=ƛǜǂǆǉ
0.524	**0.407**	**0.185**	**1**	**0.185**	ƨǏƥǫǂǁǀ ƼƥƯ ƕǎǂǤƑƺ ƒǏƥǫǂǁǆ	**.236**=Ǌ
		0.439	**267**	**117.148**	ƺ ƸǫǉǓǀ ƕǎǂǤƑƺ	ƉƯǪǁǀ
		0.402	**267**	**107.206**	ǌǆǂƟǍǁǀ ƕǎǂǤƑƺ	
		0.454	**267**	**121.192**	ƨǏƥǫǂǁǀ ƼƥƯ ƕǎǂǤƑƺ ƒǏƥǫǂǁǆ	
			271	**118.647**	ƺ ƸǫǉǓǀ ƕǎǂǤƑƺ	Ǐǂǀǁǀ
			271	**108.676**	ǌǆǂƟǍǁǀ ƕǎǂǤƑƺ	
			271	**123.326**	ƨǏƥǫǂǁǀ ƼƥƯ ƕǎǂǤƑƺ ƒǏƥǫǂǁǆ	

[illegible] (α = 0,05) [illegible] (16) [illegible]

.[illegible]

:[illegible]

[illegible] (**a = 0.05**) [illegible]

[illegible]

[illegible]

[illegible]

.[illegible]

(17) [illegible]

[illegible]

. [illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	3.75	**3.71**	**3.79**	**3.76**	[illegible]	[illegible]	[illegible]
	0.61	**0.72**	**0.70**	**0.65**	[illegible]		
	3.76	**3.73**	**3.81**	**3.76**	[illegible]	[illegible]	
	0.63	**0.71**	**0.66**	**0.70**	[illegible]		
	3.50	**3.50**	**3.55**	**3.46**	[illegible] **5**	[illegible]	[illegible]
	0.61	**0.65**	**0.72**	**0.65**	[illegible]		

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	3.80	3.79	3.83	3.80	[illegible]	10-5 [illegible]	
	0.59	0.68	0.64	0.69	[illegible]		
	3.81	3.74	3.86	3.82	[illegible]	10 [illegible]	
	0.64	0.75	0.67	0.66	[illegible]		
	3.78	3.72	3.83	3.80	[illegible]	[illegible]	[illegible]
	0.66	0.73	0.71	0.70	[illegible]		[illegible]
	3.73	3.73	3.76	3.70	[illegible]	[illegible]	
	0.57	0.69	0.62	0.63	[illegible]		

[illegible]

[illegible] (17) [illegible]

[illegible] (18) [illegible]

(18) üŊǫШ

þȝƐŊĵǂ ƖŰƑШĎ Ăǂϒ ţ ƬƍǂШ üƨΘŊ ,ƔþƓƍШŊ , Ƨ ǚШ þƙŬ ǫǫƴǂĎШ Ĭƙǘƙ Ďĩ ƑĜǂ üĭǂΘǂ

.ĎĩĎǂƴĎǂШ ƕĭǚŊĎШ ƖƑĩƑƨ ШƐ

ƕШŰǫШ ƕĭǝƑƬΘŰ	Ƹ ƕĎĩƨ	ƱƨŊǂĎ ƖƑƴƓþĎШ	ƖƑШþǫ ƕĭþΘШ	ƱŊþĎШĎ ƖƑƴƓþĎШ	ƖŰƑШĎШ	ĎĩƑĜǂШ þǫƬĎ
0.894	**0.018**	**0.008**	**1**	**0.008**	ƱĭƱƍǂШ ƖƑĩƑƨ	Ƨ ǚШ
0.775	**0.082**	**0.037**	**1**	**0.037**	ƤĭƧǚǂШ ƖƑĩƑƨ	**.000**=ƛǚǂŊĵ
0.775	**0.082**	**0.042**	**1**	**0.042**	!ĭŊĵǂШ ƖƑĩƑƨ	**.990**=Ŋ
0.009	**4.825**	**2.156**	**2**	**4.312**	ƱĭƱƍǂШ ƖƑĩƑƨ	ƔþƓƍШ
0.033	**3.449**	**1.558**	**2**	**3.116**	ƤĭƧǚǂШ ƖƑĩƑƨ	**.956**= Ƨ ǀǂĭŊ
0.073	**2.638**	**1.338**	**2**	**2.676**	!ĭŊĵǂШ ƖƑĩƑƨ	**.060**=Ŋ
0.319	**0.998**	**0.446**	**1**	**0.446**	ƱĭƱƍǂШ ƖƑĩƑƨ	ţ ƬƍǂШ üƨΘ
0.543	**0.372**	**0.168**	**1**	**0.168**	ƤĭƧǚǂШ ƖƑĩƑƨ	**.012**=ƛǚǂŊĵ
0.757	**0.096**	**0.049**	**1**	**0.049**	!ĭŊĵǂШ ƖƑĩƑƨ	**.359**=Ŋ
		0.447	**267**	**119.326**	ƱĭƱƍǂШ ƖƑĩƑƨ	ĐƱƍШ
		0.452	**267**	**120.611**	ƤĭƧǚǂШ ƖƑĩƑƨ	
		0.507	**267**	**135.420**	!ĭŊĵǂШ ƖƑĩƑƨ	
			271	**124.301**	ƱĭƱƍǂШ ƖƑĩƑƨ	ĬǂǀШ
			271	**124.014**	ƤĭƧǚǂШ ƖƑĩƑƨ	
			271	**138.116**	!ĭŊĵǂШ ƖƑĩƑƨ	

:ǑƙŮƒ (18) ýĂþɳ!ƒ ǇĎ ǇŏƕƙŎ

- ĎþƵ βĂɳĂ ƨĂƧ5 ƘƒƦ þŮ!ǂ ǫƍƬƑŏǂ (α = 0,05) ǂƨƨă ŮƛƧ ƒ!ɳǉ,Σ Ăƍ|ý ƒ!ƘƤƬ ƒ Ŏ5
.ƘŬƓɳǚ!ƒ ƴőďɳ

- βĂɳĂ ƨĂƧ5 ƘƒƦ þŮ!ǂ ǫƍƬƑŏǂ (α = 0,05) ǂƨƨă ŮƛƧ ƒ!ƤƕƧƖ Ŏ5 ǂƓŏƓƘ ,ƱŏƱƤƙ!ƒ
ǂŏɳĂƨ!ƒ ƨĂƧ5!ƒ ǇƓŏƕ!Ă ,ĎŏĂǀƙ!ƒ ǂƓŏƓƘ Ŏ5 ƓŏƑƓƬƍǫ ǂ!ƒþ ƨĂƧ5 ƧŋŬƙ Ď! ƓďǉŏƕƦ. ŏƨǉƙ!ƒ ǂƓŏƓƘĂ

LJöhdž ĂNj Ǵdžǂ NJöƨƬ ǂǀöƧƱȟ ǂöþƶȟ!ƒ ƘǴǉƧǴǀdž!ƒ DžƒþƤƙʅƒ Džƙ ǂöhǴʅơ!ƒ ƘǴƱʅĂƙdž!ƒ LJöȟ ǴöƑǴƬơƣ ǂ!ƒþ!ƒ

.(19) ýĂþƞ!ƒ Ŏ5

(19) üNjơƜ

.ƔþǴơǁ þƙŬ ȟǐƻʅ ȟƨǐþƯǴ ȟǐơƴǴǁ ǀƑǚþƒƨDžǁ

10 LJdž ƧƛǂĐ ƘƒĂǉʅ	10-5 ǀƐNjǚƨ	5 DžĐž ü5Ɛ ǀƐNjǚƨ	ƯƨNjǂĐžǁ ǏǴƑƨƟǁ		
			3.46	ǀƐNjǚƨ 5 DžĐž ü5Ɛ	ƯǐƯơǂǁ ǀƑǐƑƻǀ
		*.34	3.80	ǀƐNjǚƨ 10-5	
	-.03	*.36	3.82	ǀƐNjǚƨ 10 DžĐž þƙǀƐ	
			3.55	ǀƐNjǚƨ 5 DžĐž ü5Ɛ	ƤǐƻǚǂǁƐ ǀƑǐƑƻǀ
		.27	3.83	ǀƐNjǚƨ 10-5	
	-.04	*.31	3.86	ǀƐNjǚƨ 10 DžĐž þƙǀƐ	
			3.50	ǀƐNjǚƨ 5 DžĐž ü5Ɛ	ȟøǐǚNJDžǁ ǀƑøǐƑƻǀǁ
		*.30	3.80	ǀƐNjǚƨ 10-5	Ǐøø DžǂƴDž njơøøǁ
	.00	*.30	3.81	ǀƐNjǚƨ 10 DžĐž þƙǀǴ	Ƨ þƐơDžǁ

.(α = 0.05) ǂ!Ŭþ!ƒ ăĂƙʅdž þǉƵ ǂ!ƒþ*

:ŎƙŬƒ (19) ýĂþƞ!ƒ LJdž LJöhƙö

,ǂnjƞ LJdž ƘƒĂǉʅ (5) LJdž ýƥĐ ǀƧhƤ!ƒ ǂƑ5 LJöȟ (α= 0.05) ǂöƑǴƬơƣ ǂ!Ŭþ ƘƒƦ ƽĂƧ5 þĂƞĂ -

ƘǄƞĂ ÜăƧƤĐ ǂnjƞ LJdž ƘƒĂǉʅ (10) LJdž ƧƛǂĐĂ ƘƒĂǉʅ (10-5) ǀƧhƤ!ƒ ŎƙƑ5 LJdž ýǂĂ

ƘǴöǴ5ǂ Ŏ5 ƘƒĂǉʅ (10) LJdž ƧƛǂĐĂ ,ƘƒĂǉʅ (10-5) ǀƧhƤ!ƒ ŎƙƑ5 LJdž ýǂ ơ!ǴƬ! ƽĂƧ5!ƒ

.ýǂǂ ǂöǉnjdž!ƒ ƘǴöǴ5ǂ!ƒ Ŏ5Ă ƱöƱƤƙ!ƒ

- ... (5) ... ($\alpha = 0.05$) ...

... (10) ... (10) ...

($\alpha \leq 0.05$) ...

... (20) ...

(20) ...

.562 **	**.483** **	**.468** **	**.565** **		
.000	**.000**	**.000**	**.000**		

272	272	272	272	[illegible]	
**.637	**.539	**.552	**.631	[illegible]	[illegible]
.000	.000	.000	.000	[illegible]	
272	272	272	272	[illegible]	
**.646	**.521	**.554	**.672	[illegible]	[illegible]
.000	.000	.000	.000	[illegible]	
272	272	272	272	[illegible]	
**.696	**.580	**.596	**.704	[illegible]	[illegible]
.000	.000	.000	.000	[illegible]	
272	272	272	272	[illegible]	

. (**α = 0.05**) [illegible]*

.(**α** = 0.01) [illegible]*

[illegible] (20) [illegible]

(Nergency, 2003)

$(\alpha \leq 0.05)$

[illegible] (Srichai, 2002)

[illegible] (2004) [illegible]

[illegible] (2007) [illegible]

[illegible] (Buke & Horton, 2009) [illegible]

7. [illegible]

8. [illegible]

[illegible]

[illegible]:

[illegible] .(2004) . [illegible]
[illegible]
.(32) [illegible]

[illegible] .(2009) . [illegible]
[illegible] (ICTE) [illegible]
[illegible].

[illegible] .(2007) . [illegible]
[illegible]
[illegible].

[illegible] .(2002) . [illegible]
[illegible].

[illegible] .(2003) . [illegible]
[illegible].

[illegible] (2009). [illegible]
[illegible] 10(3), 14- 33.

[illegible] (2006). [illegible]
[illegible]

[illegible] (2011). [illegible]
[illegible]
[illegible]

[illegible] (2010). [illegible]
[illegible]
[illegible]

[illegible] (2007). [illegible]
[illegible]
[illegible]

[illegible] (2008). [illegible]
[illegible]

[illegible] ,(4)4 ,[illegible]
.254-249

[illegible] .(2005) .[illegible]
[illegible]
[illegible]

[illegible] .(2006) .[illegible]
[illegible]
.80-47 ,[illegible] ,(2006)[illegible] ,(112)[illegible]

[illegible] .(2006) .[illegible]
[illegible]

[illegible] .(2005) .[illegible]

[illegible] .(2006) .[illegible]
[illegible]

[illegible] .(2009) .[illegible]
[illegible] .(ICTE) [illegible]

Ĭøʒ ƑøNJƗĭDŽǆƗ ƒĭǁƑƨƈNj ƕĭƨƥƍDŽǁɛ ƔƥɛƍǕɛ lƑƟƥʅDŽǁ ƕDŽƦǘǁɛ lƑĭƑƻǀǁɛ .(2004) .ƥƇƨʅ ,Ƨƞơ
ƗùǒƕƧƶ!ƒ Ɨù ǂǁǆǆ!ƒ ,ƥĂƶùʅ ǁùǁǆ!ƒ ƗƶǆƇƞ ,lƧĂTǉǆ Ƨǒʓ Ƨǒƙʅƞǆǆ Ɨ!ƇʅƧ . ƒ Ƒĭƥǁɛ ƕǆĭƍDŽ
.ƗǒƥĂƶʅ!ƒ

ƕĭNjǆƑƙǁɛ Ƨ ƥɛƍDŽǁɛ lɛƥĭƍDŽNj ăƥĭƍDŽǁ ƕĭǆNJDŽǁɛ lƑĭƑƻǀǁɛ ƼĭƇƯƗ ƕǁƥƍ .(2008) .Ơ!ƇƬ ,ǑƕƧơ!ƒ
,lƧĂTùǉǆ Ƨǒʓ Ƨǒƙʅƞǆǆ Ɨ!ƇʅƧ . lƑDŽǂƴDŽǁɛNj DŽĭDŽǂƴDŽǁɛ ƥưǆ ƕNJǁǁNj DŽDŽ ƔƥNjǆDŽǁɛ ƕǆĭƍDŽǁɛ Ĭʒ
.ǇƥƧǕƒ ,ƥƕƨƍ , ǁĂǆƧǒ!ƒ ƗƶǆƇƞ

Ĭøʒ DŽĭøĭƥɛƍǕɛ DŽĭNJǁǁNjDŽǂǁ ƕDŽƦǘǁɛ ƕĭǆNJDŽǁɛ lƑĭƑƻǀǁɛ ƥʓɛNjƗ ƕǁƥƍ .(2003) .ƻǒʅ ,ǑǆƧươ!ƒ
ƗùƶǆƇƞ ,lƧĂTùǉǆ Ƨǒʓ Ƨǒƙʅƞǆǆ Ɨ!ƇʅƧ . Ƨ ƥɛƍDŽǁɛ ăƥĭƍDŽ ƥưǆ ƕNJǁǁNj DŽDŽ DŽƑDŽƳ ƕǆƯǂƨ
.ǇƥƧǕƒ ,ƥƕƨƍ , ǁĂǆƧǒ!ƒ

Ĭøʒ Ƨĭƥƍǂǁɛƕəĭǉ ƃƑƬƳǓ ƕDŽƦǘǁɛ lƑĭƑƻǀǁɛ ƕĭDŽǆƗ .(2004) .ǆǒƧǆ ,ƗǆǕʅĂ ǇƇʅơƍ ,Ǒƕǁơ!ƒ
ýùǆƵ ƗùTƧĂ Ǒƽ ƗǆƥǀǆƗʅƒƧƥ .ĬDŽĭƍƑǀǓɛ ƍƑDŽƗƳǗɛ !ƑưǆNj ƕǂDŽƑʅǁɛ ƔƍNjǁǁɛ ƥĭĭƑƴDŽ ƃNjƬ
ƗùƞƠ!ƒ ĂƦ21 ,ǆǒùǁƶƙ!ƒ ýĂùơ ƨùǒƨƶ!ƒ ƥƕƵ Ǉƕ Ÿƒ ƥƕƵ ƧǒǆǕ! ƇƒƧǓƒ ƗǀǒĂ ýǒƶƼƙ ƾƧƱ
.ƗǒƥĂƶʅ!ƒ ,ƨǒƨƶ!ƒ ƥƕƵ ǁǆǆ!ƒ ƗƶǆƇƞ ,1425

Ĭøʒ lǗƑTøƗǗɛNj lƑøDŽNjǂƴDŽǁɛ ƑøĭǁNjǁNjǆǀƗ Ʊƽɛ Njǁ ƕĭǆɛƍĭDŽ ƕƨɛƥƍ .(2006) .ƥǆơǆ ,ǇƒƧǆơ!ƒ
,ƗùǒǉƥƧǕƒ Ɨùƶǆƞ!ƒ ,lƧĂTǉǆ Ƨǒʓ ǉƒƧĂƙǂƥ ƗơĂƧƱ .DŽƍƥǓɛ Ĭʒ ƕĭʓƑʅǀƗƨǗɛ Ƨ ƥɛƍDŽǁɛ
.ǇƥƧǕƒ ,ǇƇǆƵ

.ƱƇƕƧ!ƒ ,16ƥƥƶ!ƒ .ƱĭDŽǁǂǁ ƕʓƥƴDŽǁɛ ƕǂƨǂƨ .!ĭǂƴƗǁɛ Ĭʒ lƑĭƑƻǀǁɛ .(2002) .ƥǆơǆ ,ƝǒƧƥ!ƒ

[illegible] .(2004) [illegible]

[illegible] .(2011) [illegible]

[illegible] .(2005) [illegible] ,32 ,(2) ,216-228.

[illegible] .(2003) [illegible]

[illegible] .(2004) [illegible]

[illegible] .(2007) [illegible]

[illegible] .(2012) [illegible]

[illegible] .(2009) [illegible]

[illegible] .(2004) [illegible] 14-13 [illegible] .2004

[illegible] .(2006) [illegible]

[illegible] .(2011) [illegible]

ļ ƑĐŽNjǂyĐŽǁ€ ƑĩШNjǁNjǖ|ǂ ļ€ƥƑNJĐŽǁ üƸƱǁ€ ƕĭǤƥǂ ĬĐŽǂyĐŽ ƿǘǂĐŽ€ ƕШƥƣ .(2008) .ƇǤʅŏǆ , ĭ Ƨŏǆ ư!ƒ

Ƨùŏƺ Ƨŏƙʅùƞǆ ǂ!ǤùʅƧ .ƑljNjϴǆ !NJǂƑljƑШǂ€Nj ĎŽƑĐŽƳ Ĭƺ üƑƸƱŬ€ ƒ Ƒĭƥ Ĭƺ ļŰƑƬǂŰ€Nj

.LJƥƧŰƒ ,LJǤǆƵ ,ǂŏljƥƧŰƒ ǂƺǆǤƞ!ƒ,ļƧĂƬljǆ

.ƴŏƨĂƙ!ƒĂ ƧƬlj! ƫĂƧƬ!ƒ Ƨƒƥ :LJǤǆƵ ,ƕƙĭƣϴǁ€ ƕĭƨƥƣĐŽǁ€ Ɣƥ€ƣŰ€ .(2001) .ƥǆơǆ ,LJŏƥƕǤƵ

ƥùƕƧƾ ǂƱƼǤơǆ Őƽ ǂŏĂljǤλ!ƒ Σ Ƨƒƥǆ!ƒ ƘƒƧŏƥǆĂ ĭ Ƨŏƥǆ ǅƒƥƤƙʅƒ ǂƞƧƥ .(2010) .ƥǆơǆ ,ƧĂƬǤƵ

,ƕĭƳƑĐŽǂШŰ€Nj ƕĭǆƑƨǆŰ€ !Njǂyǂǁ ƕƽƥƑʅǁ€ ƕyĐŽƑШ ƕǂШĐŽ .ƘŬǤƮƙŬƒĂ ƘǤǆĂǁƺǆ!ƒ ǤŏƞĂ!Ăljǂƙ!

.287-259 ƒ ,(7)ƥǁƞǆ!ƒ

.LJŏƧŏùƬ ,ƥǆǤơĂ ƥ!ǤƤ ,ļǤư!!ƒĂ ƔǤƱƤ ,ļƥƕ!ĂƕĐĂ LJŏʅơ ,ƥŏǆơ!ƒƥƕƵĂ Ƨǆƶ ,ƣŏƬ!ƒĂ ƥǤǆƵ ,ǂljƕǤƕƵ

ļŰƑƬøǂŰ€Nj ļƑĐŽNjǂyĐŽǁ€ ƑĩШNjǁNjǖ|ǂ Ĭƺ ƕĭǤƥǂǁ€ !NjǂǤƣ ƛĐŽƑǆƥǤǁ ƕĭĐŽĭNjƽǂ ƕƨ€ƥƣ .(2007)

.LJƥƧŰƒ ,LJǤǆƵ ,ǂŏƧƬƕ!ƒ ƥƧƒĂǆ!ƒ ǂŏǆljƙ! ŐljƱ̆Ă!ƒ ƨǂƧǆ!ƒ .(ƥƣƑ|)

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Akahori, k. (2002). **Qualitative analysis of information communication technology use on teaching-learning process**. (ERIC Document Reproducation Service No. 34456509).

AL-Asmari Savor, John.(2002). Faculty &Students Perceptions of Technology Integration in Teaching. **The Journal of Interactive Online Learning**, 1(2), 45-57.

Alfatookh, A, & Alsultan, L. (2003). The use of internet in education the project of electronic school. Retrieved November22, 2006,: **http://www.ryadhedu.gov.sa\alan\fntok\\fntok.htm#1.**

Anderson, Seven B, (2006), Newly Qualified Teacher's Learnings Related to their Use of Information and Communication Technology: a Swedish , **British Journal of Educational Technology**, 37 (5), 665-682.

Annison, Jill (2002), **Action Research: Reviewing the Implementation of a Distance-Learning Degree program me Utilizing Communication and Information Technologies**, Innervations in Education and Teaching International, 39 (2), 95-106

Atjonen, P.(2005) Finnish Teachers and Pupils as Users of ICT. **International Journal Informatics In Education**,1(2),167-182, Institute of Mathematics and Informatics, Vilnus.

Bevacqua, j. (2001). **Utilization of a new computer lap at Lincoln Elementary School**. 200 (California) DAI, 39\06. P. 1463.

Buck, H. &Horton D. (2009). Who using What and How 0ften: An ssessment of the use of instructional technology in classroom. USA. **Journal of Education Research,**1(36), 47-60.

Chan, D ,W. (2001). Characteristics and Competencies of teacher of – Gifted Learners: the Hong Kong Teacher perspective. Roeper Review. **A journal Gifted Education**. 23(4) , p197.

Chen, YI-wen.(2003).**Distance education as method of promoting the professional development of Taiwanese junior high school mathematic teachers in using technology**, Ed.D.University of Illinois at Urbana-champaing, China.

Cheng, H & Other. (2003). "perception of teacher compectencies: From student to teacher". **ERIC**, ED. 409301.

Clark, Ruth, (2000). Building Expertise: Cognitive Methods' For Training. **Performance Improvement Journal**, 39(2), 43-44.

Coffman, T. (2004). **Online professional develoment: Transfering skills learned to the classroom**. CAPELLA UNIVERSITY.(DAI-A 65\03 P.895, Sep 2004).

Dastan, A., Cicek, M.&Naralan, A.(2011).**The Effects Of information Technology Supported Education On Strategic Decision Making: An Empirical Study ethic dilemmas**. Procedia Social and Behavioral Sciences, l(24), 1134-1142.

Feldner, L. Christensen. (2003). **The Role The Scool Adminisrators In Supporting Teachers In The Integration of Educational**

Technology Into K -12 Classrooms. Doctral Dissertation, The University of North Dakota, Dissertation Abstract International. (64).3103734.

Frans,Ehren, C.M &Melanie Leeuwe, L.(2005).on the Impact of the Dutch Education Supervision Act Analyzing Assumptions Concerning the Inspection of primary Education Inspection of primary, **Education journal** 95(7),54-52.

Gulbahar, Y.(2006). ICT Usage in Higher Education. **The Turkish on line Journal of Educational Technology**, TOJET, January 2008.ISSN: 1303-6521 Volume Issue Article.

Haris, J. (2011). **Utilization of computer technology by teacher at carl Schurs High School**, A Chicago public school. Dissertation Abstratc International. A61\06, p2268.

Hill, Roger B & Wicklien, Rebort C (2000): Great Expectation: Preparing teachnology education teacher for new Role and Resposibilities, **Journal of Industrial teacher Education** , 37(3).213 - 245

Hoskins, Ruth, (2005). Information and Communication Technology (ICT). [Abstract].Knowledge and Skills of Subject at the University Libraries of K wazulu- Natal, **South African Journal of library and information Science**, 7(2), 151- 163.

http:www.Scotland.gov.Uklibrary\ict\append-section5.htm.

Ibraheem, M.H.(2001**).A needs assessment of the professional competencies of Jordanian vocational secondary teachers**, dissertation, the university of Nebraska Lincoln,

Karsenti, T, Larose, F. (2001). **Les Tic… AU Coeur des pedagogies unveritaires**. Ste-Foy: Les Presses de 1 Unversite du Quebec.

Kliber, H. E.(2002). **Education Competences Among History Teacher Nevada primary school**, The Education tional journal number ,13(2), 145 – 155.

Kuzma, Deboah, J.(2004) **The Characteristics of effect middle School teachers and the principals for who they work**.(EdD). Stone Hall

Nergency, M , C.(2003). Teacher Competnoes in this Time and place. **Teacher journal** ,2 (2), 92 – 201.

Ppch, A, &Kim, B. (2004). **Principles of ICT in education and implantation strategies in Singapore**, the province of Alperta in Canada, the United Kingdom, and the republic of Korea. Educational Technology System, 32 (4), 315-335.

Short, Edward, C.(1984). **Competence Re-Examined**, Educational Theory, VOL,34(3),134 – 177.

Srichai, S, (2002). **Technology proficiency of business educator**. Impact on their Technology Utilization and Expectation Students proficiency. DAI-A62, p, 4035.

Tam, Maureen (2000), Constructivim, Instructional Design and Technology: Implication for Transforming Distance Learning, **Educational Technology & Society**, 3(2), 17-38.

UNESCO (2003), **Teacher's ICT Skills Knoewledge Needs Final report to SOEID**. Retrived November 14,2007,from.

university Dissertation abstract International. No 3130127. Principals. Stanford Education leadership Institute.

Varasides, C. and Mclsaac, M. (2001), **Intergration Technology in Teaching and Teacher Education: Implication for policy and Curriculum Reform**, Educational Media International, 38 (2\3), 127-132.

Victor, L. (2001), Evaluation in Computers Supported Groups,MIS **Quarted Journal**, 36 (2), 19-39.

Voneschenbach, J & Pavalak, S (2004). " Imprtance and attainment of teacher certification competencies as Perceived by principals and teacher". **ERIC**, N ED359267.

Wilson, S. (2003).**Greating Effective Teachers: concise Answers for Hard Questions**. New york: AACTE Publications.

Yalin, Hi, Karadeniz, S & sahin, S 2007, "Barriers to ICT integration into elementary school in Turkey", **Journal of Applied Sciences,** vol. 7,no. 24,pp.4036-9.

Zahner, J.(2002). **Teacher Explore Knowledge Management and Elearning as Models for Professional Development**, Tech Trends, 46(3)168 - 200.

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الرقم	الاسم	التخصص	الجامعة
1.	ا.د محمد علي عاشور	إدارة تربوية	اليرموك
2.	ا.د صالح ناصر عليمات	إدارة تربوية	اليرموك
3.	ا.د عدنان بدري الابراهيم	إدارة تربوية	اليرموك
4.	ا.د محمد محمود خوالدة	أصول التربية	اليرموك
5.	د. خليفة مصطفى عاشور	إدارة تربوية	اليرموك
6.	د. مصطفى بني ذياب	التطبيقات اللغوية	البلقاء التطبيقية
7.	د. عمر صالح بني ياسين	قياس وتقويم	البلقاء التطبيقية
8.	د. صالح سلامة البركات	أصول التربية	البلقاء التطبيقية
9.	د. محارب الصمادي	المناهج وطرق التدريس	البلقاء التطبيقية
10.	ا.د خالد يوسف القضاة	تكنولوجيا التعليم والمناهج	آل البيت
11.	د. إياد محمد حمادنة	قياس وتقويم	آل البيت
12.	د. محمد الحراحشة	إدارة تربوية	آل البيت
13.	د. تيسير محمد خوالدة	أصول تربية	آل البيت
14.	ا.د سليمان القادري	مناهج وأساليب تدريس العلوم	آل البيت
15.	د. واصل جميل المومني	إدارة تربوية	مشرف تربوي
16.	د. محمد ضيف الله المومني	قياس وقويم	مشرف تربوي

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وشكرا لتعاونكم*

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جامعة اليرموك
YARMOUK UNIVERSITY

كلية التربية
مكتب العميد

الرقم : ك ت/١٠٧/ ٣
التاريخ : ١٩ /صفر / ١٤٣٤ هـ
الموافق : ٣ / كانون أول/ ٢٠١٣ م

السيد مدير مديرية تربية محافظة عجلون المحترم

الموضوع: تسهيل مهمة الطالب ربيع فخري فلاح المومني

السلام عليكم ورحمة الله وبركاته،،،

يقوم الطالب ربيع فخري فلاح المومني، ورقمه الجامعي (٢٠١٠٢١٠٠١٥)، بدراسة بعنوان **"فاعلية برنامج دبلوم تكنولوجيا المعلومات والاتصالات في تطوير الكفايات المهنية لدى معلمي المدارس في محافظة عجلون"**؛ وذلك استكمالا لمتطلبات الحصول على درجة الدكتوراه في كلية التربية، تخصص إدارة تربوية، ويستدعي ذلك تطبيق أداة الدراسة (استبانه) المرفقة على عينة من معلمي ومعلمات المدارس في محافظة عجلون.

أرجو التكرم بالاطلاع والموافقة على تسهيل مهمة الطالب المذكور أعلاه .

وتفضلوا بقبول فائق الاحترام،،،

عميد كلية التربية

أ. د. أمل الخصاونة

اربد – الأردن Tel: + 962 - 2 - 721111 | فاكس: ٧٢١١١٩٩-٢-٩٦٢ + Fax : + 962 - 2-7211199 | Irbid - Jordan | تلفون: ٧٢١١١١١ – ٢ – ٩٦٢ + E-mail: fac_edu@yu.edu.jo http://www.yu.edu.jo

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Ƨ ƥɛŋĎŽŧıı ĿǰɯŃǰĎŽ ĎŽŃǰŧɯƳ hǔƨƷFϴĎŽı !ĭŧyƗıĸŃǰ hǔĭĜƥƗıĸ hǔĭƥĭŋĎŽ ĎŽĎŽ hǔĎŽŃĐŽıĸ üĭŃ ƨƗ ƒƑƗ|

وزارة التربية والتعليم

مديرية التربية والتعليم لمحافظة عجلون

الرقم: ...
التاريخ: ...
الموافق: ...

مديرو ومديرات المدارس الحكومية والخاصة المحترمين

الموضوع: البحث التربوي

السلام عليكم ورحمة الله وبركاته

إشارة لكتاب رئيس جامعة اليرموك رقم ك ت / 2/107 تاريخ 2013/1/2 ، يقوم الطالب **ربيع فخري فلاح المومني** بإجراء دراسة بعنوان " **فاعلية برنامج دبلوم تكنولوجيا المعلومات والاتصالات في تطوير الكفايات المهنية لدى معلمي المدارس في محافظة عجلون** " وذلك استكمالاً لمتطلبات الحصول على درجة الدكتوراه تخصص الإدارة التربوية في جامعة اليرموك ، ويستدعي ذلك تطبيق استبانه على عينة من معلمي ومعلمات المحافظة .

يرجى تسهيل مهمة الطالب المذكور أعلاه وتقديم المساعدة الممكنة له .

وتفضلوا بقبول فائق الاحترام

مدير التربية والتعليم
محمود محمد شهاب

نسخة السيد مدير الشؤون التعليمية والفنية
نسخة السيد ر.ق التدريب والتأهيل والإشراف التربوي.

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// Abstract heading and content
Abstract

Almomani, Rabea Fakhri: Effectiveness of the Diploma Program of Information and Communication Technology in the Development of Professional Competence Among School Teachers in Ajloun Governorate

Dr. Munira Sharman, ... President Supervisor

Dr. Mohammed Al-Momani .... Assistant Supervisor

This study aimed to detect effectiveness of the diploma program of information and communication technology in the development of professional competence among school teachers from their point of view,The sample of the study consisted of (272) teachers. To achieve the study objectives and collecting data, the researcher constructed a three – part questionnaire . The first part is to measure the demographic data , The second is to measure the information technology program efficiency, and the third is to measure the level of vocational competences of teachers,The findings were:

- The effectiveness of diploma program for technology information and communication in the development of professional competence among school teachers in Ajloun was medium from their perspectives.
- The level of vocational competences availability for teachers in Ajloun directorate was high from their point of view.

- There were no significant differences for information and communication technology diploma program effectiveness.

- There were no significant differences in the vocational competences availability for the teachers due to : gender and the field of study.

- There were significant differences in the level of vocational competences availability for the teachers due to: experience only .

- There was a significant positive correlation between information and communication technology diploma program effectiveness and the level of vocational competences availability for teachers in Ajloun directorate .

The recommendations:

- Work on the development of skills and competencies of teachers with regard to owning and practice a set of teaching skills that relating to the use of modern technology and techniques.

Key Words: the Diploma Program of Information and Communication Technology , Professional Competence, school teachers, Ajloun Governate